


Ideation Phase

Date	04-11-2022
Team ID	PNT2022TMID50339
Project Name	VirtualEye – Life Guard for Swimming Pools to Detect Active Drowning
Maximum Marks	2 Marks



VIRTUAL EYE

Brainstorm & Idea prioritization

In this session we aim to achieve a good base for beginning our project. With clear understanding of the task in hand, the next step would be to collectively put in our thoughts, imagination and end with a proper feasibility study.

Ground Rules

- Be Creative
- Rule out every possible ideas and improvements
- Make your points clear and purposeful
- Don't hesitate. (Every point is noteworthy)
- Arguments are good. A.k.a. I think it's beneficial
- Have various perspectives towards the problem.

1 Choose your best "How Might We" Questions

Show the top 3 variation questions that you created and to the group determine where to begin by selecting one question to move forward with based on what seems to be the most promising for idea generation in the areas you are trying to impact.

15 minutes

QUESTIONS

- How might we detect and differentiate active drowning with the least possible error rate?
- How might we automate the alert system so as to prevent panic and add info to the rescue?
- How might we optimize the detection algorithm to give results in the least time?
- How might we bring more privacy, get permission for detection?
- How might we optimally use limited resources to get the most accurate information in an emergency?

2 Brainstorm solo

Have each participant begin in the "solo brainstorm space" by silently brainstorming ideas and placing them into the template. The "Silent-brainstorming" avoids group-think and creates an inclusive environment for introverts and extroverts alike. Set a time limit. Encourage people to go for quantity.

10 minutes

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3 Brainstorm as a group

Have everyone move their ideas into the "group sharing space" within the template and have the team silently race through them. As a team, sort and group them by thematic topics or similarities. Discuss and answer any questions that arise. Encourage "Yes, and..." and build on the ideas of other people along the way.

10 minutes

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4 Decide your focus

Give each person two icons to vote which idea should your team focus on.

5 minutes

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Whats Next...

Define and state an efficient model and train it with the correct hyperparameters to produce a suitable and accurate model.

Advise the system to work in a proper environment in an integrated manner to make it suitable for use.

Make sure to have each topic and idea elaborate with clear goals and clear action plan.

Working with the solution. Start to making possible low fidelity and cost-effective.